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RECENTLY PUBLISHED RESEARCH OF THE
LENINGRAD ELECTROTECHNICAL INSTITUTE
DOKLADY V. I. UL'YANOV

"Use of Supersonic Vibrations for Observation of Physico-chemical Processes," S. Ya. Sokolov, Leningrad. Engng. Tech. Sci. Acad. V. I. Ul'yancv

"Zhur Tekh Fiziki" Vol 16, 1946, pp 783-90

The rate v of propagation of sound in liquids depends on the composition of the latter and can be used for following chemical reactions. As instances, polymerization of a methacrylate in the presence of $(\text{BrO})_2$ at 30° and inversion of sucrose are studied. The v varies during this inversion by 0.5%. Calculation shows that supersonic vibrations cannot much affect the rate of ordinary chemical reactions.

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